

Water-Energy monitoring comments from CSU Foundation

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To: DWR IRWM Grants@DWR <dwr_irwm@water.ca.gov>;

Cc: Klemm, Aaron <aklemm@calstate.edu>;

On behalf of the project team for the California State University Foundation application, I am writing to support the option for grantees, including the Foundation, to conduct the necessary post-project monitoring. The California State University (CSU) has the necessary staff and expertise to support a variety of monitoring options, including whole-building metering, retrofit isolation metering, and calibrated simulation.

The current utility metering situation varies across the proposed project sites, which are spread across 5 CSU campuses and the Chancellor's Office. Due to the scale and scope of campus operations, building-level metering or subsystem metering would be required to accurately measure the benefits from the Water-Energy program retrofits. Most of the project sites currently have building-level energy meters, but do not have building-level metering of water or gas. The CSU requests that some of the funding allocated for monitoring requirements be used to purchase and install the necessary meters for post-project monitoring. The CSU is in the process of implementing a systemwide Energy Information System to automatically collect utility usage information and compile reports, and any existing or new meters will need to be compatible with this reporting system and any other campus metering standards. We expect that all campuses involved in this project will have the system in place by the completion of the project term.

The CSU would work with DWR to identify the buildings or building subsystems with a higher concentration of project measures that would be most appropriate for metering to ensure that at least 10% of the total project retrofits will be monitored. If the projects chosen for monitoring require new building-level or subsystem metering to be installed, CSU can adjust the retrofit timeline for these projects to allow for collection of a year of pre-project baseline data as necessary.

Additionally, the CSU's [Water Resources and Policy Initiatives](#) (WRPI) program can provide technical assistance and support for the Water-Energy program projects and monitoring. This systemwide initiative includes 23 academic institutes throughout the CSU system with expertise on water resources and technology. The CSU Chancellor's Office has previously partnered with the WRPI to consult on water efficiency opportunities in facilities operations at our campuses. Additionally, the CSU has existing utility partnerships, including the [University of California/California State University Energy Efficiency Partnership](#), which can be leveraged to provide additional technical assistance for project implementation and monitoring.

Please do not hesitate to contact me if you need further information, and we look forward to working with DWR on this project.

Sincerely,

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